

Receiving Report

Date: 14/2/27

Batch No: M28304

Supplier: MCNausolution

Dart P/O: 2315

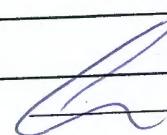
Packing Slip: Yes No
 Invoice: Yes No
 Receipt: Cash Cr
 New Supplier Yes No

Release Note Attached: Yes No N/A
 Waybill Attached: Yes No N/A
 Shipment Complete: Yes No N/A
 QC18 Inspection 27 9-89 14316 N/A
 Work Order 4 N/A

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver QC12



Production/Admin:

Date 14/2/27

Received/Costing

Initial

Location

Purchase Order Receipt Listing

Thursday, February 27, 2014 1:33:02 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO23115 Receipt Dates from 2/27/2014 to 2/27/2014 All Line Item Types
All Item ID/GL/WOS All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
PO23115 CAD	1 No	VC-MET002 71401-45	Metaux Solutions Each	2/28/2014 1.0000	2/27/2014 DESJ02	1.0000	\$0.00 \$0.00	0.0000 0.0000	0 0	\$0.00
	2 No	M4130NBB0.500X03 000 4130 Bar 0.500 x 3.00 m128354	f f	2/28/2014 48.0000	2/27/2014 DESJ02	48.0000	\$27.63 \$1.326.33	0.0000 0.0000	0 0	\$1,326.33
	3 No	M2024T3S.040 2024-T3 .040 sheet m128354	sf sf	2/28/2014 192.0000	2/27/2014 DESJ02	192.0000	\$6.29 \$1.207.02	0.0000 0.0000	0 0	\$1,207.02
	4 No	M2024T3S.050 2024-T3 .050 sheet m128354	sf sf	2/28/2014 48.0000	2/27/2014 DESJ02	48.0000	\$7.70 \$369.77	0.0000 0.0000	0 0	\$369.77
	5 No	M2024T3S.063 2024-T3 .063 sheet m128354	sf sf	2/28/2014 192.0000	2/27/2014 DESJ02	192.0000	\$9.53 \$1,829.55	0.0000 0.0000	0 0	\$1,829.55

Total Received Quantity:

Total Qty to Inspect (PO U/M):

Total Reject Quantity:

Total Receipt Value:

Total Balance Due Quantity:

481.0000
0.0000
0.0000
\$4,732.67
0.0000

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7 *Tel.:* 450 641-3330

Customer: 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Shipping Order

26/02/2014

Order : 94598
Reference : 23115
Bid : 9250
Ship : PICK UP / PICK UP

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
MP124130N	4130 NORM PLATE .500 THICK AMS 6345 4 X 3" X 144"	12	12	0
AS04024	HT 1318 ALU SHEE .040 2024-T3 4 X 4' X 12'	4	4	0
AS05024	HT;668224A9 ALU SHEET .050 2024 T-3 1 X 4' X 12'	1	1	0
AS06324	HT;605877A0 2024-T3 ALU SHEET .063 4 X 4' X 12' HT;660298A1	4	4	0

SHIP TST COLLECT
IP

Pray/spsr

Shipping : _____
Package No : _____
Merchandise Received : _____

SHIP TO:			
SOLD TO:			

KAISER
ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4316218

CUSTOMER PO NUMBER:		WORK PACKAGE:	CUSTOMER PART NUMBER:		SHIP RUN/LOAD:		GOVT CONTRACT NUMBER:
C67519					102791/11		
KAISER ORDER NO:	LINE ITEM:	SHIP DATE:	ALLOY:	CLAD:	TEMPER:	PRODUCT DESCRIPTION:	
1161137	5	22-NOV-2013	2024	BARE	T3	HT Flat Sheet	
WEIGHT SHIPPED:	QUANTITY:	TRUCK B/L #:		GAUGE:	DIAMETER/WIDTH:	LENGTH:	
6618 LB	148 PCS EST.	2045099		0.0630 IN (1.6002 MM)	48.000 IN (1219.2 MM)	144.000 IN (3657.6 MM)	

MHU 1732201: LOT 660298A1: 51 pieces; 187426

MHU 1732204: LOT 660298A1: 97 pieces; 27

DAS
27
9-89
14-316

AMS 4037/RevP
CMMMP-019/RevD

Certified Specifications

AMS-QQ-A-250/4/RevA
CMMMP-025/RevU

ASTM B 209/Rev10

Test Code: 1504

Test Results

Lot: 660298A1 Cast 645

Drop 05

Ingot 1

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	66.5 : 67.1 (459 : 463)	44.6 : 45.1 (308 : 311)	19.1 : 21.5

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.21	4.6	0.56	1.4	0.01	0.14	0.02	0.01	0.00	TOT 0.03

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												0.05
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH TOT	0.15
MAX(wt%)	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05		

Aluminum Remainder

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: m4130nbg. 50x 03.000 m128354
 DATE: Feb, 27 / 2014 PO / BATCH NO.: 23115

MATERIAL CERT REC'D: Yes Feb, 27 / 2014
 QUANTITY RECEIVED: 4 PCS
 QUANTITY INSPECTED: 4
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .500
 THICKNESS RECEIVED: .500
 SHEET SIZE ORDERED: 4 x 3"
 SHEET SIZE RECEIVED: 4 x 3"

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	Y <u>N</u>	
CORRECT MATERIAL	Y <u>N</u>	
CORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT MATERIAL	Y <u>N</u>	ASTM E8 / BSS7
CORRECT REF # TO LINK CERT	Y <u>N</u>	605977A8
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	m4130nbg. 50x 03.000
CORRECT M# ON THE MATERIAL	Y <u>N</u>	m128354
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	S 14/3/00
	30HRC				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 27 9:00</u>	SIGNED OFF BY: _____
DATE: <u>14/3/14</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SHIP TO:			
SOLD TO:			

KAISER
ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number:
4274651

CUSTOMER PO NUMBER:		WORK PACKAGE:	CUSTOMER PART NUMBER:		SHIP RUN/LOAD:		GOVT CONTRACT NUMBER:
C65290 SEPT					102414/11		
KAISER ORDER NO:	LINE ITEM:	SHIP DATE:	ALLOY:	CLAD:	TEMPER:	PRODUCT DESCRIPTION:	
1136621	4	5-SEP-2012	2024	ALCLAD	T3	HT Flat Sheet	
WEIGHT SHIPPED:	QUANTITY:	TRUCK B/L #:	GAUGE:	DIAMETER/WIDTH:	LENGTH:		
6580 LB	187 PCS EST.	2038664	0.0500 IN (1.2700 MM)	48.000 IN (1219.2 MM)	144.000 IN (3657.6 MM)		

MHU 1617564: LOT 605877A0: 92 pieces LOT 605977A8: 17 pieces; D206091 - D206090
MHU 1617566: LOT 605977A8: 78 pieces; D20692

Certified Specifications

AMS 4041/RevQ
CMMP 019/RevD

AMS-QQ-A-250/5/RevA
CMMP 025/RevU

ASTM B 209/Rev10

Test Code: 1505

Test Results

Lot: 605877A0 Cast 583

Drop 12

Ingot 4

Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	60.1 : 61.4 (414 : 423)	40.0 : 41.8 (276 : 288)	17.5 : 21.2

(ASTM E1251)

Chemistry:	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.21	4.5	0.58	1.3	0.01	0.14	0.02	0.01	0.00	TOT 0.03



Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4274651

Lot: 605977A8 Cast 583 Drop 08 Ingot 3 Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	60.4 : 60.5 (416 : 417)	40.1 : 40.8 (276 : 281)	19.0 : 19.6

(ASTM E1251)

Chemistry:	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.07	0.20	4.6	0.57	1.3	0.01	0.14	0.02	0.01	0.00	TOT 0.03

ALLOY LIMITS

	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15

Liner Alloy:	1230	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
MIN(wt%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	EACH	0.03	
MAX(wt%)	0.25	0.30	0.10	0.05	0.05	0.03	0.05	0.03	0.03	0.03	TOT	0.00	

Aluminum Remainder

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser) hereby certifies that metal shipped under this order was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content. This material has been inspected, tested and found in conformance with the requirements of the applicable specifications as indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. All metal which is solution heat treated complies with AMS 2772. Any warranty is limited to that shown on Kaiser's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of Kaiser Aluminum Fabricated Products, LLC laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law. ISO-9001:2000 certified.

Page 2 of 2

JAMES HEMENWAY, LABORATORIES SUPERVISOR

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: m2024t3s oso m128354 PO / BATCH NO.: 23115
 DATE: Feb 27, 2014

MATERIAL CERT REC'D: Yes Feb 27, 2014
 QUANTITY RECEIVED: 1 pcs
 QUANTITY INSPECTED: 1
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.50
 THICKNESS RECEIVED: 0.49
 SHEET SIZE ORDERED: 4x4x12
 SHEET SIZE RECEIVED: 4x4x12

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	AMS-QQ-A-250/S Rev A
CORRECT REF # TO LINK CERT	Y	N	605877A0
CORRECT MATERIAL IDENTIFICATION	Y	N	m2024t3s-oso
CORRECT M# ON THE MATERIAL	Y	N	m128354
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	S 14/03/06
	50 HRC				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>27 9:09</u>	SIGNED OFF BY: _____
DATE: <u>14/03/06</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SHIP TO:

SOLD TO:

KAISER
ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4320441

CUSTOMER PO NUMBER:	WORK PACKAGE:	CUSTOMER PART NUMBER:		SHIP RUN/LOAD:	GOV'T CONTRACT NUMBER:
C67751				102820/21	
KAISER ORDER NO:	LINE ITEM:	SHIP DATE:	ALLOY:	CLAD:	TEMPER:
1163629	4	7-JAN-2014	2024	BARE	T3
WEIGHT SHIPPED:	QUANTITY:	TRUCK B/L #:	GAUGE:	DIAMETER/WIDTH:	LENGTH:
6552 LB	233 PCS EST.	2045786	0.0400 IN (1.0160 MM)	48.000 IN (1219.2 MM)	144.000 IN (3657.6 MM)

MHU 1744754: LOT 668224A9: 20 pieces; **D272828**
MHU 1746026: LOT 669415A2: 153 pieces; **QP**
MHU 1746100: LOT 669415A2: 60 pieces; **30**

DAS
27
9-89
4/13/16

Certified Specifications

AMS 4037/RevP
CMMP 019/RevD

AMS-QQ-A-250/4/RevA
CMMP 025/RevU

ASTM B 209/Rev10

Test Code: 1504

Lot: 668224A9 Cast 656

Drop 10

Ingot 3

Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile: Temper

Dir / # Tests
LT / 2 (Min:Max)

Ultimate KSI (MPA)
65.4 : 65.7
(451 : 453)

Yield KSI (MPA)
44.3 : 44.5
(305 : 307)

Elongation %
17.0 : 17.2

(ASTM E1251)

Chemistry:

Actual(wt%)

SI

FE

CU

MN

MG

CR

ZN

TI

V

ZR

TOT
0.03

0.10/ 0.24/

4.4/ 0.55/

1.3/

0.01/

0.14/

0.02/

0.01/

0.00/

INSPECTED
80

Page 1 of 2



Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4320441

Lot: 669415A2 Cast 653

Drop 91

Ingot 2

Melted In USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	68.2 : 68.9 (470 : 475)	46.5 : 46.5 (321 : 321)	15.8 : 16.6

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.15	4.8	0.59	1.4	0.01	0.08	0.01	0.01	0.00	TOT 0.03

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												0.05
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.15
MAX(wt%)	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15

Aluminum Remainder

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser), is ISO-8001:2008/AS9100C certified and hereby certifies that all material shipped under this order:
 * has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements.
 * was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
 * has been thermally processed in compliance with AMS 2772, where applicable.
 * is mercury free, within the limits of detection of ASTM E1251 (< = 1ppm).
 * is in compliance with RoHS 2, European Union Directive 2011/65/EU.
 * is in compliance with and regularly monitors any updates to the European Chemical Agency, ECHA, REACH regulations, (EC) n°1907/2008.
 * is free of Conflict Minerals, as defined in Section 16.2 of the Dodd-Frank Act.
 Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificates may be punished as a felony under federal law.

James Hemenway
JAMES HEMENWAY, LABORATORIES SUPERVISOR

INSPEC
80
Page 2 of 2

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: m2024t35. 046 m128354 PO / BATCH NO.: 23115
 DATE: Feb, 27, 2014

MATERIAL CERT REC'D: Yes Feb 27, 2014
 QUANTITY RECEIVED: 4 Pcs
 QUANTITY INSPECTED: 4
 QUANTITY REJECTED: X

THICKNESS ORDERED: 0.40
 THICKNESS RECEIVED: 0.40
 SHEET SIZE ORDERED: 4X4X12
 SHEET SIZE RECEIVED: 4X4X12

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>(N)</u>	
CORRECT FINISH	Y <u>(N)</u>	
CORROSION	Y <u>(N)</u>	
CORRECT GRAIN DIRECTION	Y <u>(N)</u>	
CORRECT MATERIAL	Y <u>(N)</u>	
CORRECT THICKNESS	Y <u>(N)</u>	
PHOTO REQUIRED	Y <u>(N)</u>	
CORRECT MATERIAL	Y <u>(N)</u>	4m500-A-25
CORRECT REF # TO LINK CERT	Y <u>(N)</u>	468224129
CORRECT MATERIAL IDENTIFICATION	Y <u>(N)</u>	m2024t35-040
CORRECT M# ON THE MATERIAL	Y <u>(N)</u>	m128354
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	S 14/03/06
	5042B				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>27 9-89</u>	SIGNED OFF BY: _____
DATE: <u>14/3/14</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SHIP TO: ARCELORMITTAL PLATE LLC
LLC

TEST CERTIFICATE

PAGE NO: 01 OF 02
FILE NO: 2765-01-01
MILL ORDER NO: 79967-002
MELT NO: C1318
DATE: 07/25/12

SOLD TO:

SEND TO:

01-C

PLATE DIMENSIONS / DESCRIPTION

TOTAL QTY	GAUGE	WIDTH	LENGTH	DESCRIPTION	PIECE WEIGHT
7	.5"	72.5"	144.5"	RECTANGLE	1486#

CUSTOMER INFORMATION

CUSTOMER PO: 011212MC

SPECIFICATION(S)

THIS MATERIAL HAS BEEN MANUFACTURED AND TESTED IN ACCORDANCE WITH PURCHASE ORDER REQUIREMENTS AND SPECIFICATION(S).

AMS 6345C YR 11 AIRCRAFT

UNS AIRCRAFT QUALITY ASTM A829 06 GRADE 4130 & AISI

4130 97
THE MANAGEMENT SYSTEMS FOR MANUFACTURE OF THIS PRODUCT ARE CERTIFIED
TO ISO 9001:2008 (CERTIFICATE NO. 30130) AND ISO 14001 (CERTIFICATE
NO. 009496).

CHEMICAL COMPOSITION

MELT: C1318	C .31	MN .50	P .014	S .002	CU .12	SI .24	NI .11	CR .90	Mo .21
PROD ANALYSIS	.32	.52	.015	.002	.12	.25	.11	.90	.20
MELT: C1318	V .057	AL .012	CB .001						
PROD ANALYSIS	.059	.017	.001						

MANUFACTURE

ELECTRIC FURNACE QUALITY - FINELINE - VACUUM DEGASSSED - FINE GRAIN
PRACTICE - MCQUAID-EHN GRAIN SIZE PER E112 - 7-8

HEAT TREAT CONDITION

MATL OR TEST	HEAT TREAT DESCRIPTION	NOM TEMP	HOLD MINS	COOL MTHD
PL/TEST	NORMALIZE	1660F	28	AIR COOL

WE HEREBY CERTIFY THE ABOVE
INFORMATION IS CORRECT:ARCELORMITTAL PLATE LLC
QUALITY ASSURANCE LABORATORY
139 MODENA ROAD
COATESVILLE, PA 19320

Elinore Zaplitny
SUPERVISOR - TEST REPORTING
ELINORE ZAPLITNY

TEST CERTIFICATE

PAGE NO: 02 OF 02
FILE NO: 2765-01-01
MILL ORDER NO: 79967-002
MELT NO: C1318
DATE: 07/25/12

MECHANICAL PROPERTIES

BEND TEST - BOT./TRANS. - PASS

BEND TEST - TOP/LONG. - PASS

TENSILE PROPERTIES

LOC	DIR	YIELD	TENSILE	ELONGATION
		STRENGTH PSI X 100	STRENGTH PSI X 100	GAGE LGTH
BOT.	TRANS.	719	1175	2.00" 16.0
BOT.	TRANS.	772	1195	2.00" 20.0
TOP	TRANS.	727	1189	2.00" 17.0
TOP	TRANS.	909	1210	2.00" 20.0

DECARB TESTING

LOC	DEPTH	SURFACE	SUBSURFACE
BOT.	.012	0	0
BOT.	.009	0	0
TOP	.008	0	0
TOP	.012	0	0

OTHER METALLURGICAL AND MICROSTRUCTURAL TESTS

MAGNETIC PARTICLE - FREQUENCY .00001 - SEVERITY .00001

GENERAL INFORMATION

ALL STEEL HAS BEEN MELTED AND MANUFACTURED IN THE U.S.A.
MATERIAL HAS BEEN VACUUM DEGASSSED AND CALCIUM TREATED
FOR SULFIDE SHAPE CONTROL.
MAG. FREQ. AND SEVERITY RATING PER AMS-2301K.
ACID SOLUBLE ALUMINUM
FOR MORE INFORMATION AND PROCESSING GUIDELINES, REFER TO
WWW.ARCELORMITTAL.COM/PLATEINFORMATION

REDUCTION RATIO - 18

B/L #00104 MAVERICK TRANSPORTATION

WE HEREBY CERTIFY THE ABOVE
INFORMATION IS CORRECT:

ARCELORMITTAL PLATE LLC
QUALITY ASSURANCE LABORATORY
139 MODENA ROAD
COATESVILLE, PA 19320

Elinore Zaplitny

SUPERVISOR - TEST REPORTING
ELINORE ZAPLITNY

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: m2024T35 Q63 m128354 PO / BATCH NO.: Q3115
 DATE: Feb 27, 2014

MATERIAL CERT REC'D: Yes Feb 27, 2014
 QUANTITY RECEIVED: 4 PCS
 QUANTITY INSPECTED: 4
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.62
 THICKNESS RECEIVED: 0.63
 SHEET SIZE ORDERED: 4X4X12
 SHEET SIZE RECEIVED: 4X4X12

DESCRIPTION	NCR (Check Y/N)		COMMENTS
	Y	N	
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	AMS QQA-250/4 Rev A
CORRECT REF # TO LINK CERT	Y	N	4.0298(A)
CORRECT MATERIAL IDENTIFICATION	Y	N	m2024T35.063
CORRECT M# ON THE MATERIAL	Y	N	m128354
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	SIZE OF TEST SAMPLE	HRC	HRB	DUR A	DUR D
		60 HRC			

testers located in the Quality Office

S
14/03/14

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>27</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>14/3/14</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23115

Purchase Order Date 2/24/2014

PO Print Date 2/24/2014

Page Number 1 of 3

Order From : VC-MET002
METAUX SOLUTIONS
2625 BOUL JACQUES-CARTIIER EST
LONGUEUIL, QC J4N 1L7
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAXED
C214102624

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	800 558 8858	Customer POID	10127-2607
Ship To Contact		Customer Tax #	Net 30
Ship To Phone		Currency	CAD
Ship Via:	TST ground	FOB	Destination-Collect
Ship Acct:			

Note:

2/24/2014



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
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Page Number 2 of 3

Order From : VC-MET002
METAUX SOLUTIONS
2625 BOUL JACQUES-CARTIIER EST
LONGUEUIL, QC J4N 1L7
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 800 558 8858

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Ship To Contact
Ship To Phone
Ship Via: TST ground
Ship Acct:

3	M2024T3S.040	2024-T3 .040 sheet	2/28/2014	192.00	✓	\$7.00	\$1,343.22
			Yes	sf			
			2/28/2014				

MATERIAL: 2024-T3 ALUMINUM SHEET
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037
OR ASTM B209

Line Total: \$1,343.22

4	M2024T3S.050	2024-T3 .050 sheet	2/28/2014	48.00	✓	\$8.57	\$411.50
			Yes	sf			
			2/28/2014				

MATERIAL: 2024-T3 ALUMINUM SHEET
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037
OR ASTM B209

Line Total: \$411.50

5	M2024T3S.063	2024-T3 .063 sheet	2/28/2014	192.00	✓	\$10.60	\$2,036.00
			Yes	sf			
			2/28/2014				

MATERIAL: 2024-T3 ALUMINUM SHEET
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037
OR ASTM B209

Note:

2/24/2014



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO23115**

Purchase Order Date 2/24/2014
PO Print Date 2/24/2014

Page Number 3 of 3

Order From : VC-MET002
METAUX SOLUTIONS
2625 BOUL JACQUES-CARTIIER EST
LONGUEUIL, QC J4N 1L7
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 800 558 8858
Ship To Contact
Ship To Phone
Ship Via: TST ground
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Line Total: \$2,036.00

PO Total: \$5,266.72

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1 **Change Date:** 2/24/2014